



EM3500 Series Energy and Power Meter

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The EM3500 series Energy and Power Meter combines exceptional performance and easy installation to deliver a cost-effective solution for power monitoring applications. The EM3500 series can be installed on standard DIN rail or surface mounted, and has bi-directional monitoring designed expressly for renewable energy applications.

- Pulse output and phase alarms
- Data logging capability in some models
- Modbus and BACnet output options

Table 4.11: Series 3500 Energy and Power Meters

| Description | Catalog Number |
|--|----------------|
| Power Meter, DIN-rail, Pulse Output Only, for LVCTs | METSEEM3502 |
| Power Meter, DIN-rail Pulse Output Only, for METSECTR Rope CTs | METSEEM3502A |
| Power Meter, DIN-rail Modbus Output for LVCTs | METSEEM3550 |
| Power Meter, DIN-rail, Modbus Output, for METSECTR Rope CTs | METSEEM3550A |
| Power Meter, DIN-rail Modbus Output, Bi-Directional, Logging for LVCTs | METSEEM3555 |
| Power Meter, DIN-rail Modbus Output, Bi-Directional, Logging for METSECTR Rope CTs | METSEEM3555A |
| Power Meter, DIN-rail, BACnet Output, Logging for LVCTs | METSEEM3560 |
| Power Meter, DIN-rail, BACnet Output, Logging for METSECTR Rope CTs | METSEEM3560A |
| Power Meter, DIN-rail, BACnet Output, for LVCTs | METSEEM3561 |
| Power Meter, DIN-rail, BACnet Output, for METSECTR Rope CTs | METSEEM3561A |

METSECTR Series Rope-Style Current Transformers

The METSECTR series works with the EM3500A, EM4236, and iEM35xx series power and energy meters. These meters have a built in power supply and integrator, so CT connection is fast and simple. The coil opens at the connector junction for fast and easy installation onto an existing cable or bus-bar. The flexible core makes it easy to fit in tight enclosure.

- Agency Approvals cURus, ANSI/IEEE 57.13, CE, RoHS
- Accuracy $\pm 1\%$ from 50 A to 5000 A
- Insulation up to 600 Vac

Table 4.12: METSECTR Series Rope-Style Current Transformers

| Description | Catalog Number |
|---|----------------|
| Rogowski CT, 300 mm (12"), 600 Vac, 5 kA, U018 equivalent | METSECTR30500 |
| Rogowski CT, 460 mm (18"), 600 Vac, 5 kA, U018 equivalent | METSECTR46500 |
| Rogowski CT, 600 mm (24"), 600 Vac, 5 kA, U018 equivalent | METSECTR60500 |
| Rogowski CT, 900 mm (35"), 600 Vac, 5 kA, U018 equivalent | METSECTR90500 |

LVCT Series Current Transformers

LVCT current transducers provide a 0.333 V output for use with EM3500, EM4236, iEM34xx, and EM4900 series energy meters. Available in both solid and split core styles.

- Solid core accuracy ± 0.5 of reading from 5% to 120% of rated current
- Split core accuracy 1% from 10% to 100% of rated current
- Leads 22 AWG, 600 Vac, UL 1015 bonded pair, 6 ft. (1.8 m) standard length

Table 4.13: LVCT Series Current Transformers

| Description | Catalog Number |
|---|----------------|
| Split core | |
| Low-Voltage CT, Split Core, Size 0, 50 A:0.33 V | LVCT00050S |
| Low-Voltage CT, Split Core, Size 1, 100 A:0.33 V | LVCT00101S |
| Low-Voltage CT, Split Core, Size 2, 100 A:0.33 V | LVCT00102S |
| Low-Voltage CT, Split Core, Size 1, 200 A:0.33 V | LVCT00201S |
| Low-Voltage CT, Split Core, Size 2, 200 A:0.33 V | LVCT00202S |
| Low-Voltage CT, Split Core, Size 2, 300 A:0.33 V | LVCT00302S |
| Low-Voltage CT, Split Core, Size 3, 400 A:0.33 V | LVCT00403S |
| Low-Voltage CT, Split Core, Size 3, 600 A:0.33 V | LVCT00603S |
| Low-Voltage CT, Split Core, Size 3, 800 A:0.33 V | LVCT00803S |
| Low-Voltage CT, Split Core, Size 4, 800 A:0.33 V | LVCT00804S |
| Low-Voltage CT, Split Core, Size 4, 1000 A:0.33 V | LVCT01004S |
| Low-Voltage CT, Split Core, Size 4, 1200 A:0.33 V | LVCT01204S |
| Low-Voltage CT, Split Core, Size 4, 1600 A:0.33 V | LVCT01604S |
| Low-Voltage CT, Split Core, Size 4, 2000 A:0.33 V | LVCT02004S |
| Low-Voltage CT, Split Core, Size 4, 2400 A:0.33 V | LVCT02404S |
| Solid core | |
| Low-Voltage CT, Solid Core, Size 0, 50 A:0.33 V | LVCT20050S |
| Low-Voltage CT, Solid Core, Size 0, 100 A:0.33 V | LVCT20100S |
| Low-Voltage CT, Solid Core, Size 2, 200 A:0.33 V | LVCT20202S |
| Low-Voltage CT, Solid Core, Size 3, 400 A:0.33 V | LVCT20403S |